



Southern California Association of Governments

Human Resources

818 West 7th Street, 12th Floor, Los Angeles, California 90017 • (213) 236-1910 • www.scag.ca.gov

TRANSPORTATION MODELER #384

**Transportation Modeler I – \$49,711– \$66,624, Transportation Modeler II – \$58,787– \$76,423,
Transportation Modeler III – \$69,368 – \$90,179, Transportation Modeler IV – \$79,488 – \$103,334
Open on a Continuous Basis**

This position may be filled at any of the four levels of Transportation Modeler. This is a flexibly staffed classification. Individuals hired at levels I, II, or III may advance to the next level without competition, once the core competencies have been met and upon the recommendation of their supervisor. Employees working at the lower levels will work under greater supervision, performing less challenging technical analysis while gaining experience on aspects of transportation planning, statistical analysis, travel demand modeling and TransCAD modeling software. Level III is the fully experienced, journey level modeler. Level IV is the advanced level in which the employee has an in-depth knowledge of model design or a planning area. Levels III and IV work independently.

The position reports to the Manager of Transportation Modeling, Air Quality and Conformity within the Department of Planning Methods, Assessment and Compliance. This position will be responsible for maintaining and advancing the state-of-the-art transportation and forecasting program, writing reports and developing presentations. The employee will participate in transportation and air quality analyses and studies.

Other Significant Functions include:

- Responsible for independent project management including work plan development, progress reporting and producing project summary reports.
- Participate in technical presentations to committees.
- Coordinate with other agencies, divisions, and departments to maintain consistency, reliability and validity in the regional travel forecasting process.
- Perform model runs for transportation plans and studies, and provide summaries of model results and analysis.
- Conduct emissions analysis.
- Participate in model development and maintenance.
- Provide internal and external technical support.

Ideal Candidate Qualities

- Substantial transportation modeling experience
- Experience in travel survey and statistical analysis
- Experience with TransCAD and GISDK programming
- Experience using SAS and other computer programming languages
- Experience in GIS spatial analysis
- Experience with emissions models
- Strong computer knowledge and skills
- Strong written and verbal communications skills

Minimum Qualifications

Education:

All Levels - Bachelor's degree from an accredited college or university with major course work in transportation, urban and regional planning, statistics, computer science or a related field. A Master's degree can substitute for one year of experience.

Experience: **Level I** – None; **Level II** Two years of increasingly responsible experience in transportation modeling; **Level III** – Four years of increasing responsible experience in transportation modeling; **Level IV** – Five years of transportation modeling experience, including experience in project management.

Knowledge of: **All levels** Analytical and statistical research methods; technical writing methods; theories, principles and practices of urban planning and development; transportation modeling theory; project management methods and techniques; **Levels III and IV** Advanced quantitative statistical methods; advanced research methods and procedures; advanced modeling theory; advanced database design and concepts.

Ability to: **All levels** Prepare clear and accurate technical reports and presentations; analyze and compile technical and statistical information; **Levels III and IV** Independently investigate modeling problems; plan and coordinate multiple projects; analyze complex problems and identify logical solutions; facilitate groups with

divergent viewpoints; gain cooperation and consensus with SCAG's Modeling partners.

APPLICATION AND SELECTION PROCEDURE

Applicants **must** submit a completed SCAG application and resume to:

Southern California Association of Governments

Attn: Human Resources Office
818 West 7th Street, 12th Floor
Los Angeles, California 90017
(213) 236-1910
(213) 630-1493 fax
www.scag.ca.gov

Applications will be accepted on a continuous basis until SCAG's needs are met. This recruitment may close at any time without prior notice.

Qualified applicants will be invited to participate in the selection process based on the application and resume submitted. Applicants must clearly demonstrate through their application materials that they meet the qualifications listed above. The selection process may consist of an application screening, a written examination to assess writing ability and oral board interview.

EMPLOYMENT INFORMATION

- Before employment, applicants will be required to provide documentation that verifies their proof of eligibility to work in the United States.
- Reference checking will be done prior to hire. A thorough background check including a review of criminal history, DMV report, pre-employment physical, alcohol and drug-screening and financial history may be conducted for certain classifications.
- Employees in limited term assignments serve no probationary period and do not accrue seniority. This is an at-will assignment and employees can be discharged at any time.

EMPLOYEE PROGRAMS AND BENEFITS

- **Insurance Coverage:** Employees may choose from two HMO and two PPO CalPERS health plans and two dental plans. SCAG contributes \$800 towards insurance premiums with the cost difference paid out in cash. Life insurance, in the amount of \$50,000 is provided by SCAG. Short term and long term disability insurance plans are provided by SCAG.
- **Retirement:** Employees become members of the Public Employees' Retirement System (PERS) 2% @ 55 plan. SCAG pays the employee's 7% contribution. ICMA and MetLife 457 deferred compensation plans are available. Employees do not pay into Social Security.
- **Holidays:** A total of 13 paid holidays – 9 designated and 4 floating – are provided annually.
- **Vacation:** Ten to twenty days per year, depending on length of service.
- **Sick Leave:** Employees earn sick leave at the rate of one day per month.

- **Health, Dependent Care, and Parking Reimbursement Account:** A tax-exempt savings plan is offered to pay eligible expenses associated with health, dependent care, and parking.
- **Rideshare/Transportation Incentive Program:** SCAG pays up to \$155 towards monthly bus pass, vanpool or Metrolink, \$35 per month for ridesharing. In order to receive this benefit, employees must use one of the listed options at least 13 days per month.
- **Flexible Time/Modified Work Week:** Some employees may work a modified 9-80 work schedule, with every other Friday off. SCAG offers a flexible work schedule to allow employees some flexibility on daily work hours.
- **Other Benefits:** SCAG offers credit union membership in the E-Central Credit Union. Employees may have their paychecks automatically deposited. A tuition reimbursement program is offered to employees.

THE ORGANIZATION

The Southern California Association of Governments (SCAG) is a regional planning agency and a Council of Governments, established in 1965. SCAG works to develop long-range policies and action plans to address issues of regional and sub-regional concern and to help local agencies meet Federal and State planning mandates. SCAG serves as a center for information exchange on a broad range of transportation, growth management, environmental, infrastructure, and institutional issues. The SCAG region includes six counties, one hundred eighty-four cities, 38,000 square miles and a population of 17 million. For more information on SCAG, please visit our website at www.scag.ca.gov.

SCAG is located in bustling downtown Los Angeles. Los Angeles (LA) is located on the beautiful California Coast, and offers a year-round Mediterranean climate. The area is known for its cultural venues, sports centers, garment and jewelry districts, high-rise buildings, shopping, tourist attractions, fine restaurants, zoos, and museums. It is home to such professional sports organizations as the LA Lakers, Clippers, Sparks, Kings, and Dodgers. Downtown LA is easily accessible by Metrolink train, underground Metro, and bus.

EQUAL EMPLOYMENT OPPORTUNITY

SCAG is an equal employment opportunity employer. All personnel policies and programs are administered without regards to race, color, religion, political belief, age, national origin, sex, disability, cultural background, or sexual orientation. If you require assistance to participate in this recruitment, please call the Human Resources Office at (213) 236-1931.